UNCRATING/INSTALLATION INSTRUCTIONS

RELIANCE® 310

Utensil Washer

(12/98)
Rev. 2

P-122990-599

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A WORD FROM STERIS CORPORATION

Follow each step of the uncrating/installation instructions in the order presented. Open the carton carefully to avoid damage to the equipment inside. If you find any indication of damage to the equipment (no matter how slight), show it to your supervisor.

A summary of the Safety Warnings and Cautions to be observed when uncrating and installing this washer can be found on Page 1 of these instructions. Do not begin uncrating/installing this equipment until you have become familiar with this information.

To properly install this unit, you will need the Equipment Drawing (previously furnished), showing all utility service and space requirements. If drawings cannot be located, replacement copies may be obtained by writing, wiring, faxing, or telephoning STERIS giving the serial, equipment and model numbers of your washer.

If STERIS supervision is desired for installing this equipment, contact the STERIS Regional Office nearest you.

Advisory

This unit has been designed in accordance with the highest quality standards possible, and meets or exceeds all Canadian and domestic performance and safety codes.

STERIS does not intend, recommend nor represent in any way that this equipment be used for the terminal disinfection or sterilization of any regulated medical device. Reliance Washers are intended only to perform an initial step in the reprocessing of soiled, reusable medical devices, and such devices must be terminally reprocessed in accordance with current good hospital practices before each use in human patients.

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SUMMARY OF WARNINGS AND CAUTIONS

1

The following is a summary of the safety precautions which must be observed when uncrating, installing and checking this equipment. WARNINGS indicate the potential for danger to personnel and CAUTIONS indicate the potential for damage to equipment. These precautions are repeated, where applicable, throughout the instructions.

WARNING — PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD:

When moving unit, use a dolly or rollers. Do not use door or door latch for lifting.

WARNING — LACERATION/EYE INJURY HAZARD:

When removing bands, wear eye protection and always use a tool specifically designed for cutting the bands. The bands used to secure this container can cause personal injury when cut and tension is released.

WARNING — LACERATION HAZARD:

When removing lag screws, wear gloves to protect your hands.

WARNING — ELECTRIC SHOCK AND/OR BURN HAZARD:

When checking operation of drain valve, make sure building electrical supply is disconnected and that machine is cool. Valve is energized when building electrical supply is connected and piping/valve is hot after machine has been run.

WARNING — BURN HAZARD:

When checking automatic stop feature, wear gloves and face protection and open door slowly. Hot water may escape through door opening if door is opened while unit is operating.

Before inspecting and/or cleaning supply line strainers, allow piping to cool down.

WARNING — FALL HAZARD:

To prevent falls, keep floors dry. Promptly clean up any spills or drippage.

CAUTION — POSSIBLE EQUIPMENT DAMAGE:

When removing adhesives from stainless steel, use a solvent specially formulated for that purpose. Rub in a back-and-forth motion (in same direction as surface grain). Solvent rubbed in a circular motion or applied with a wire brush or steel wool on door and chamber assemblies can be harmful to stainless steel. Do not use solvents on painted surfaces.

Once three-phase power is connected, check pump for correct rotation. Incorrect pump rotation may result in pump damage and improper cleaning action.

IMPORTANT: Be sure to check the Occupational Health and Safety Act, as well as local electric and plumbing codes, for any special requirements that may pertain to installation of this unit.

Open Crate

⚠ WARNING — PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD: When moving unit, use a dolly or rollers. Do not use door or door latch for lifting.

⚠ WARNING — LACERATION/EYE INJURY HAZARD: When removing bands, wear eye protection and always use a tool specifically designed for cutting the bands. The bands used to secure this container can cause personal injury when cut and tension is re

NOTE: This equipment weighs approximately 275 lbs (120 kg). Use a dolly or rollers to move equipment. Uncrate on level floor as close to installation site as possible.

1. Position unit to open cardboard container from the top. Provide a clear work area on all sides.
2. Carefully cut and remove bands from container (see Figure 1). Discard bands before continuing.
3. Lift off cardboard top.
4. Remove nails attaching cardboard to skid. Remove and discard cardboard container.
5. Carefully cut and remove second set of bands (see Figure 2). Discard bands before continuing.
6. Remove and discard cardboard corners and polystyrene wrap from around unit (see Figure 2).

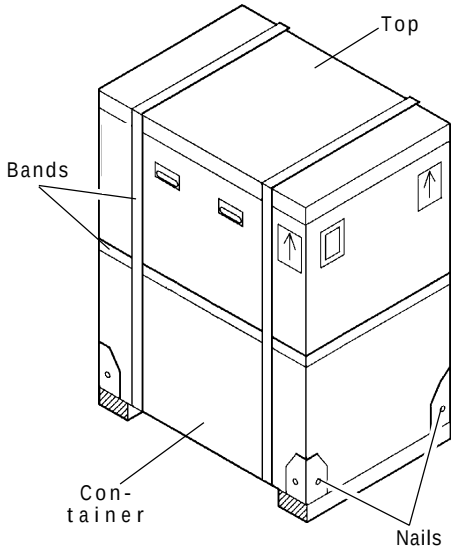

Figure 1. Remove Bands

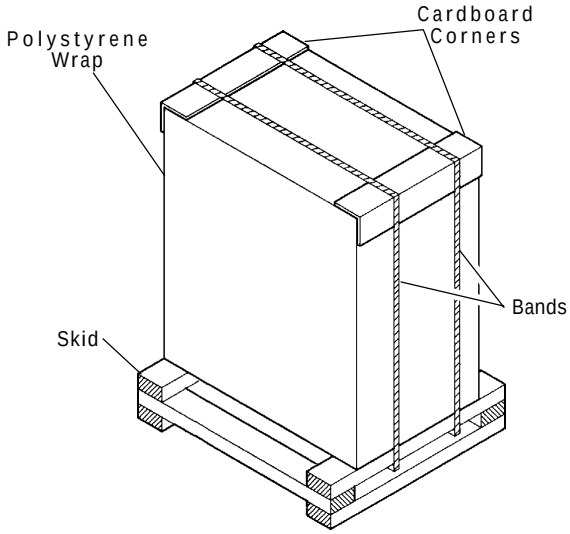

Figure 2. Remove Packing Material

Move Washer and Remove Skid

1. With washer still mounted on skid, use a dolly or rollers to move washer to installation site.
2. Locate access panel keys (attached to basket inside wash chamber). Unlock and open access panel (see Figure 3). Remove access panel from washer by tilting it forward and lifting it up and away from frame.
3. Check tip indicator, located in back right corner, facing unit, above recirculating pump assembly (see Figure 3). If unit has been tipped, notify your nearest STERIS regional office.

⚠ WARNING — LACERATION HAZARD: When removing lag screws, wear gloves to protect your hands.

4. Remove lag screws and washers, on front left side of unit, securing washer base to skid (see Figure 3).
5. Remove lag screws and washers, in back of unit to right of recirculating pump assembly, securing washer base to skid.
6. Remove and discard skid from under washer.

Prepare Washer for Installation

1. Remove all tape from washer.
2. Open chamber door. Remove nylon straps securing basket to track and slide basket out of wash chamber.
3. Remove bottom filter and envelope containing Operator Manual and other printed material from basket. Give printed material to appropriate personnel.
4. Cut and discard nylon straps securing wash arm assembly.
5. Close and latch chamber door.
6. Replace access panel.
7. Discard all packing material removed during uncrating procedures.

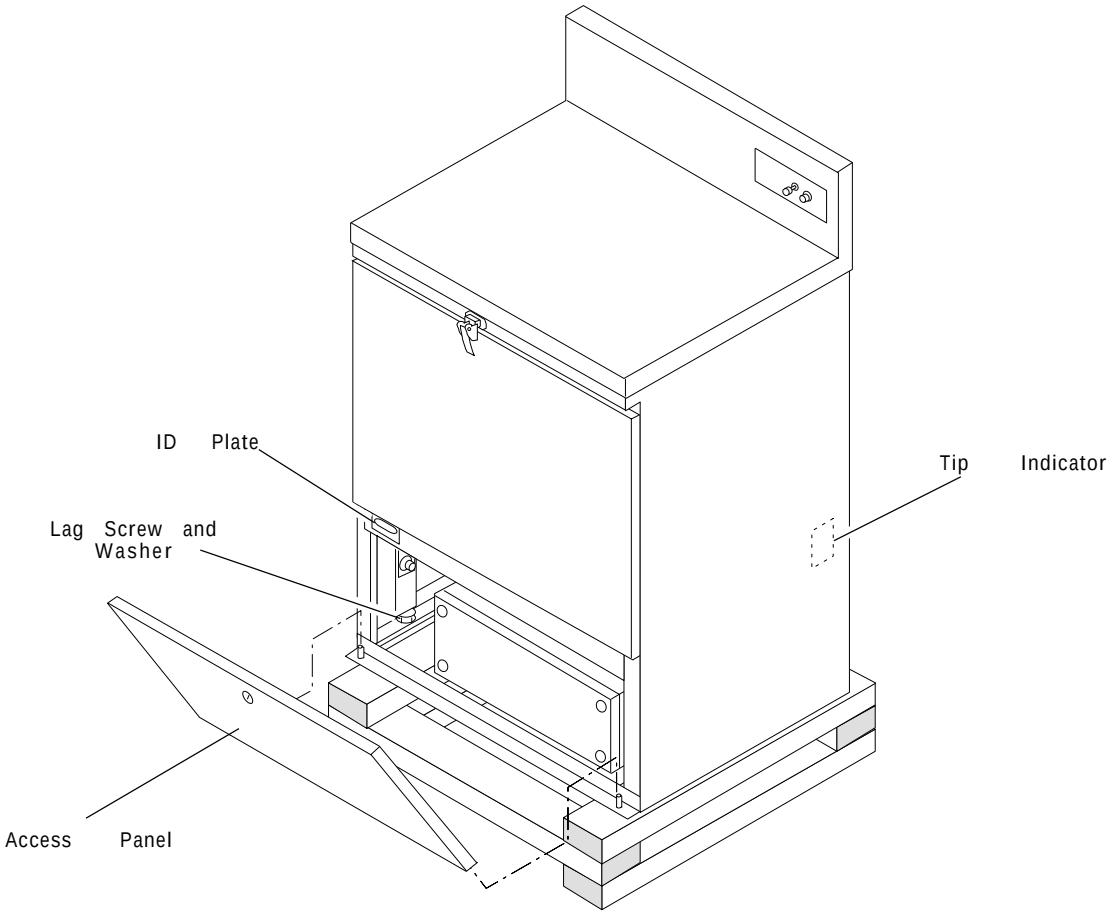

Figure 3. Washer Service Compartment

Before Installing Equipment

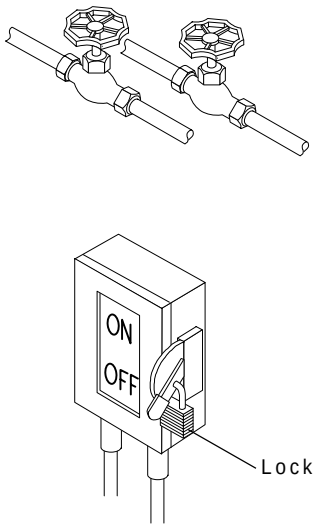

Figure 4. Utility Service Connections

1. Review installation requirements.

   a. Clearance — Clearance space shown on Equipment Drawing is necessary for easy installation and proper operation of unit.

   b. Utility Service Lines:

   - To allow service on unit without shutting off building supply lines, shutoff valves (not by STERIS) should be installed on water and, if option applies, steam lines to unit (see Figure 4). Shutoff valves must be capable of being locked in OFF position.
   - Disconnect switches (not by STERIS) should be installed in electric supply lines near washer (see Figure 4). Disconnect switches must be capable of being locked in OFF position only.
   - If this machine is installed next to other equipment, shutoff valves and disconnect switches, should be located so that service can be shut off to one piece of equipment at a time.
   - Utility service requirements are shown on Equipment Drawing. This machine requires either 208 V, 60 Hz, 1-phase, 3-wire; 208 V, 60 Hz, 3-phase, 4-wire; or 240 V, 60 Hz, 3-phase, 3-wire power. Check Equipment Drawing or ID Plate, on left side of washer, facing unit, above thermostat, for proper voltage (see Figure 3).

2. Place washer, as shown on Equipment Drawing, in correct relation to building supply lines. If unit is not at installation site, refer to Uncrating Instructions (Section 2) for proper moving instructions.

NOTE: Unit must be level. If necessary, use shims (not supplied with unit) to level washer. If unit is not level, water level control and drain may not work properly.

3. Open access panel. Remove access panel from washer by tilting it forward and lifting it up and away from frame.

Connect Utilities

WARNING — FALL HAZARD: To prevent falls, keep floors dry. Promptly clean up any spills or drippage.

1. COLD WATER — Blow out the building cold-water supply line to remove chips, scale, etc. Connect line to washer.
2. HOT WATER — Blow out the building hot-water supply line to remove chips, scale, etc. Connect line to washer.
3. STEAM (if unit is equipped with steam-heated option) — Blow out the building steam supply line to remove chips, scale, etc. Connect line to washer.
4. WASTE — Connect washer drain line to building waste line.
5. ELECTRIC — Connect building electrical supply to washer. Verify that all electrical connections are tight.
6. Open building supply valves and check for leaks. Correct if necessary.

Cleanup

CAUTION: When removing adhesives from stainless steel, use a solvent specially formulated for that purpose. Rub in a back-and-forth motion (in same direction as surface grain). Solvent rubbed in a circular motion or applied with a wire brush or steel wool on door and chamber assemblies can be harmful to stainless steel. Do not use solvents on painted surfaces.

1. Replace access panel.
2. Remove any adhesives found on panels and inside chamber with a suitable solvent (such as Stoddard solution). Keep solvents away from all painted surfaces or damage may result.
3. Inspect work area to be sure all materials used during installation have been removed.

THIS COMPLETES THE INSTALLATION. Before operating the equipment, an operational test should be conducted by an STERIS Engineering Service technician or equivalent person familiar with operational test procedures, including leak testing, as outlined in Section 4. Contact your local STERIS representative — he/she will gladly schedule a STERIS technician to test your installation and show persons designated how to operate the unit. Refer to *Operator Manual (P-122990-103)* for operating procedures.

⚠ WARNING — ELECTRIC SHOCK AND/OR BURN HAZARD: When checking operation of drain valve, make sure building electrical supply is disconnected and that machine is cool. Valve is energized when building electrical supply is connected and piping/valve is hot after machine has been run.

⚠ WARNING — FALL HAZARD: To prevent falls, keep floors dry. Promptly clean up any spills or drippage.

⚠ WARNING — BURN HAZARD: When checking automatic stop feature, wear gloves and face protection and open door slowly. Hot water may escape through door opening if door is opened while unit is operating.

1. Locate drain valve in washer service compartment (see Figure 5). Manually operate valve lever to ensure proper operation. Verify gaskets are not sticking to seat (lever operation difficult).
2. Install bottom filter in bottom of wash chamber (see Figure 5).
3. Remove mounting bolt and lift wash arm out of chamber (see Figure 5).
4. Close and latch chamber door.

NOTE: START button and indicator light are mounted in the backsplash on the freestanding unit (see Figure 5). On the undercounter unit, START button and indicator light are mounted in the access panel.

5. Press START button. Indicator light goes on. Let cycle run approximately 15 seconds to clear piping system of any foreign matter. Wearing proper safety protection, check automatic stop feature. Open chamber door. Automatic stop feature should shut off all services.
6. Remove and clean bottom filter. Replace filter in chamber.

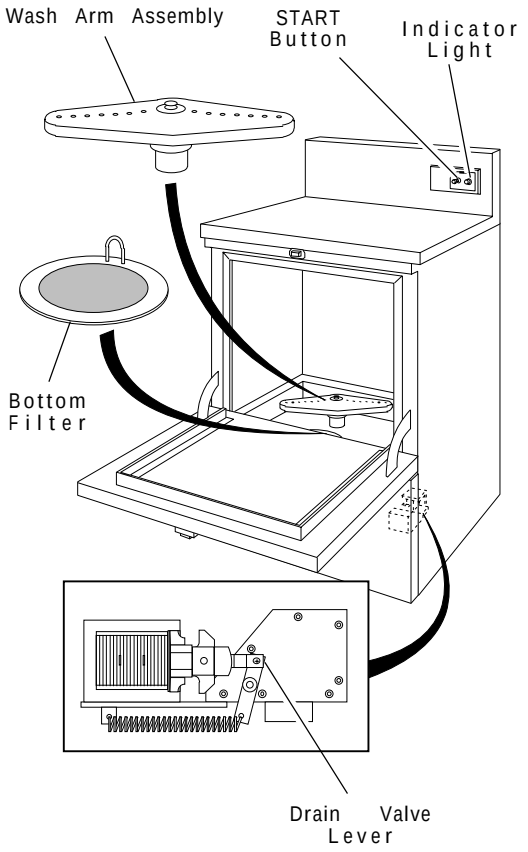

Figure 5. Wash Chamber and Service Compartment

⚠ CAUTION: Once three-phase power is connected, check pump for correct rotation. Incorrect pump rotation may result in pump damage and improper cleaning action.

⚠ WARNING — BURN HAZARD: Before inspecting and/or cleaning supply line strainers, allow piping to cool down.

7. Reattach wash arm to bottom of chamber. Close door and press START. Cycle will resume at the beginning of interrupted phase.
8. Check pump rotation. Pump should turn in direction indicated by arrow (clockwise, facing unit).
9. Inspect piping assembly for leaks. If any leaks occur, tighten hose clamp connections.
10. Allow cycle to run to completion. Verify that indicator light turns off.
11. Unlatch door and rest door against latch.
12. Close building supply valves. When piping has cooled down, check and, if necessary, clean supply-line strainers.

WASHER IS NOW READY FOR NORMAL OPERATION.